

ABSTRACT OF THE DISCLOSURE

A method and an apparatus for regulating state of charge
in a battery assembly in which respective voltages across unit
5 cells can be equalized in a short time. Among a plurality of
unit cells B₁ to B₄ ... B_n, the unit cell having the largest
voltage across the cell is referred to as the largest unit cell,
and the unit cell having the smallest voltage across the cell
is referred to as the smallest unit cell. Electric charge is
10 transferred from the largest unit cell to a capacitor C_B so
that the voltage across the capacitor C_B may be made higher
than the voltage across the largest unit cell. Thereafter,
the electric charge is transferred from the capacitor C_B to
the smallest unit cell thereby to equalize the voltages across
15 the unit cells.